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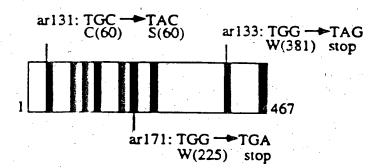
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FIGURE 1A

160 900 700 260 293 200 60 300 93 500 193 800 900 000 327 100 360 200 393 400 126 INGITETIGGGCGACTITETIATITETIACTICTICTICGCAAGGCTTICATICGTACTITIGACTIGGAACACGACTATIGGCTTGTTATGTIGGCCATTICTTATIC 3GTCTCTGCTTCACTCTTGTCCTGCCGTCTTCAAAGGAGCACTCCGGCTCTGCAATTTCCCATTTTCTCCG3ACTCATTTTTACTTTTTTGTACCCG AGENCATICITÀTICCCTÀCGITICITTÀCTICCAGITIGAAAACACGACAGACCCCCGTGAACCGACGTCGTCAGACTICAAAATACTTICTACAGCTTTITICCTIGGA 3AGGCGAGTIGITCATCTGAAACGCCAAAACGGCCAAAAGTGAAACGAATTCCTCAAAAAGTGCAAATCGAATCGAATACTACAGCTTCAACGACAAAA IGGTTGCCGTGCTCACACCAAAAGGACCATTGAATATTTGGTGGAAACTGCACAGGAGAAAAGGAGCCAATTTTCCCGGCGCGCTGATTTATTCGLCTGG CAAATCGGAATAGCCANGAAGACGAAAATGTTGTGGAAGAAGCGGAGCTGAAATACGGAGCATCTCACGTTATTCATCTATTTGTGCCGGTGTCACTATG PTFATAAGCITIATTCATGGATGGCTTATTGTCAGCAGTTTTTCTTCTTTTTCCTATTCACTACAATCTATGTGC.AGAAGTTCTGAAAAGTTTCGATGT GTCTCCCAGCGCACTATTGGTTTTGTTTTGGACTGGGTAACTATGGAGTTCTCGGAATGATGTGTATACATTGGAAAGGTCCATTGCGTCTGCAACAGGTTC IACCITATIACAATGICTGCACTAATGGCTCTGGICTITATCAAGIACCTACCAGAATGGACTGTGTGTGTGTGTGTGTTTGTTTATCTCGGTTTTGGGATC CTOGATICATICACCCCATITIGITTACACAAGTICTICTICAAAAGTIGITTATAATTICTICTITITTTTICCCATITTIC TITIGCATICATICAACTITITICGATTAT CATGGCTCTGGTTGTTTTTACGATGAACACGATTACGTTTTTATAGTCAAAACAATGGAAGGCATTAACTATCACATCCTTTTTGTCCGGGAAACAGAGACAGT ATCGTTGAGAAGGGATTGATGTCACTTGGAAATGCTCTCGTCATGTTGTGCGTGGTCGTTCTGATGACAGTTCTGCTGATTGTTTTCTATAAATACAAGT TPKGPLRYLVETAQERNEPIFPALIYSSG ELKYGASHVIH<u>LFVPVSLC</u> THSALHALVEIKYLPEWTVWEVLEVISVWD SALLVLFGLGNYGYLGMMCIHWKGPLRLOOF GLMSLGNALVWLMTVLLLIVFXKYK DFIFYSVLLGKASSYFDWNTTIACYVAILI SVXXINSLFLPFLCIINFSI RETO FYKLIHGWLIVSSFLLLFTTIYVOEVLKSF PKVKRIPOKVOIESИТТАSТТ T A F PSGFF TTDPREPTSSDSNTS SHPFV RELAAERPTVQDANFHREEE S LVVFTHNTITEYSONNGRHLL 0 F P F GADA CFTLVLLAVEKRALPAL <u>ပ</u> ပ E E A 0 **≥** HKSLK ĸ VIYPYVLVTAV * E T P م 294 328 394 428 194 228 801 261 001 101 201 301 501 161 601 701 361 201 61 301 94 127 301 401

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FIGURE 1B



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FIGURE 2A

| SEL-12 S182 E5-1 | MTEIP MLTFMASDSE | APLSYFQNAQ EEVCDERTSL | MSEDNHLSNT MSAESPTPRS | VRSQNDNRER CQEGRQGPED | MPSTRRQQ QEH.NDRRSL GENTAQWRSQ |
|----------------------------------|---------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|
| | | | | | |
| SEL-12 S182 E5-1 SPE-4 | EGGGADAETH GHPEPLSNGR ENEEDGEEDP | TVMGTNLITN PQGNSRQVVE DRMVCSGVPG | QDEE D | EEAELKYGAS EELTLKYGAK EELTLKYGAK SSELVRSSQL | HVIHLEVPVS HVIMLEVPVT HVIMLEVPVT RWTLESVIAN |
| | T M 1 | | | | |
| SEL-12 S182 E5-1 SPE-4 | ** EGMALVV. FU EGMV VVV. AU EGMI VVV. AU MSLTESIW16 | MNTITENSQN IKSVSENTRK IKSVRENTEK VYNMEVNSEL | MG.QLIYTEE | TED TETVGQR | ALHSILMAI |
| | TMZ | 2 | | TM3 | |
| SEL-12 \$182 E5-1 SPE-4 | X | LIVAXXVKE LIVVLVXYRC FLVVLVXYRC IMLAQVLFD | X YKVIHGWIIV YKVIHAMIII YKIHGWIIM RRIVKAMITL | SSFLICE SSLILLE SSLMLLE SCLILILEGVS | FTTFESFFTTY AQTLHDMFSQ |
| | | | TM4 | | |
| SEL-12 S182 E5-1 SPE-4 | TYVETURSF TYLGEVERTY TYLGEVERTY VFD@DDNNQY | DUSPSALLUL NUAVDYVIUA NUAMDYPILL YMTIVLIVUP | FGLGMYGYLG LLIWMFGYVG LTVWMFGAVG TVVYGFGG | MMCIHWKGPL MISTHWKGPL MVCIHWKGPL IYAFFSNSS[| RLOOFVLIM RLOOAVLIMI VLOOAVLIMI IBHOIFVVIN |
| | TM5 | | TM6 | | ·. |
| SEL-12 S182 E5-1 SPE-4 | X SALMALVIIK SALMALVIIK SALMALVIIK CSLISVIYLR | X YEPEMIVWEV YEPEMIAWLI YEPEWSAWVI VEPSKTIWEV | LFVISVWDLV LAVISVYDLV LGALSVYDLV LWIVLFWDLF | X AVLTPKGPLR AVLCPKGPLR AVLCPKGPLR AVLAPMGPLK | MLVETAGERN MLVETAGERN |

FIGURE 2B

TM7 EPITPARIYS SGVIYPYVEV TAVENTTOPR EPTSSDENTS TAFPGEASCS ETLEPARIYS STMVW...EV NMAEGDPEAG RRVSKNSKYN AESTERESQD EPITPARIYS SAMVW...IV GMAKLDP....SSQGALQ LPYDPEMEED SEL-12 **S182** E5-1KCVLNLIMFB ANEKRLTAGS NGEETNEGEE STIRRTVKQT IEYYTKREAQ SPE-4 TEKRPKVK RIPOKVQIES SEL-12 S182 E5-1 YD SFGEPSYP**i**V DDEFYGKIRG RRAAINPDSV PTEHSPLVEA EPSPIELKEK NSTEELSDDE SPE-4 NTMASTIQNS GVOVERELAA ERPTVQDANF HRHEETERG. WEAQRDSHLG PHOSTPESRA AVQELSSSIL AGEDPEERG. SEL-12 S182 FEPPL GYPG EEL..... E5-1 ..EEEERG. SDISEUSSES SNLSSSDSST TVSISDISTA EECDOKEWDD LVSNSLPNND SPE-4 .VKLGI GDFIFYSVIL GKASSYF..D WNITTACYVA .VKLGI GDFIFYSVIV GKASATASGD WNITTACFVA .VKLGI GDFIFYSVIV GKASATGSGD WNITTACFVA SEL-12 \$182 E5-1 SPE-4 KRPATAADAL NDGEMEGF GDEVEYSLEI GRAASGCP. . FAVESAALG TM8 THE GEOFFIEV LAVER ALP ALGEDES PHOLIKSLKS THE LAVER ALP ALGEDES PHOLIKSLKS THE LAVER ALP ALGEDES THE VEY BAT DYLV QPFMDQLAFH LAVER KALP ALPISTIFGL IFY ESTONLY RPFMDTLASH SEL-12 S182 E5-1 TIFGIVVIET VESTEESTIR MIPLEVICGT GCYGSSMFFW EQLYG... SPE-4 TM9? VYTINSLFLP FLCIINFSII S QFTI..... SEL-12 S182 E5-1QLMI...

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FIGURE 3A

FIGURE 3B

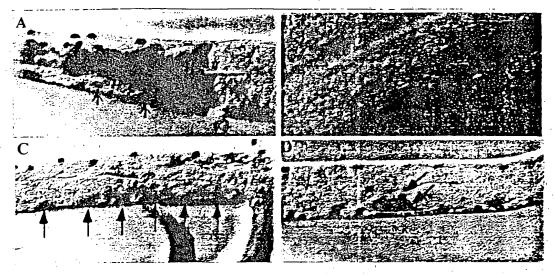


FIGURE 3C

FIGURE 3D